

(1) Number of pages _____

(2) Date of repair _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	2177	Press
B.P. No.		Mis.
Dated	27 - 7 -	1955

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
27th July 1875.*

No. 756.

Read the following :—

No. 820.

MEMORANDUM.

THE District Engineer, Madura, has with reference to G. O., No. 3,210, dated 13th November 1874, and to the instructions from this office as per margin, submitted returns of tanks affecting the South India Railway in the Tirumungalum and Dindigul taluqs. The returns include only those tanks within 5 miles of the railway line, and they are necessarily therefore imperfect, and where such tanks have others above and discharging into them it will not do to deal with them independently of the other tanks in the same group.

2. Some of the entries are such as to need examination. For instance the first in the Tirumungalum taluq return is the Maravancolum (Devastanum), and its capacity when full is stated to be 170,520 cubic yards, or sufficient for from 21 to 30 acres, the area of the catchment basin being 16 square miles, which would generally suffice to provide water for about 400 acres. Again, the capacity of many of the tanks appears to be extremely small not only with reference to the catchment basins but to the area of the tanks themselves.

3. To be of value the circumstances of the tanks must be accurately ascertained, and a casual inspection of the entries indicates that this has not yet been done; *e. g.*, take the entry in the Dindigul taluq return for the Suma Soobbanaiken Colum :— District IV., 3 miles 75 chains; catchment basin $\frac{1}{4}$ th square mile; maximum flood discharge 1,800 cubic feet a second. This discharge is that due to a basin of 6 or 7 square miles. Moreover, it is mentioned that the tank is the lowest of a chain of four tanks, so that the catchment basin of the four is only $\frac{1}{4}$ th of a square mile; but, on the other hand, the area of this lowest tank itself is entered as 58,000 square yards, or 12 acres nearly, so that in all probability the four tanks themselves are of greater area than the catchment basin.

4. In connection with the District Engineer's remarks on the dimensions of surplus weirs for petty tanks, instructions have been given in paragraph 2 of this office memorandum, No. 732, of the 8th instant, and Survey Establishments have been sanctioned, though the information afforded by the District Engineer in support of his application has not been in accordance with the orders contained in Circular No. 62.

OOTACAMUND,
22nd July 1875.

(Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
Offg. Chief Engineer.

No. 757.

ORDER THEREON, 27th July 1875, No. 2,177.

IRRIGATION, No. 72.

THE returns submitted by the District Engineer, Madura, appear to be very imperfect not only as regards the number of tanks entered therein which was to be expected in the returns for the first half-year but also as regards the particulars given in the entries. It will be expected that the returns due after the 31st December next will show that proper attention has been paid to ascertaining with accuracy the circumstances of all tanks for which detailed entries may be made. Where these have not been ascertained properly it will be much better to leave blank such of the columns from 5 to 14 as cannot be filled in with fair accuracy.

Proceedings of the Madras Government, Public Works Department,
27th July 1875.

2. The Government consider that, even should it be shown hereafter that additional subordinate assistance is required, maistries could not at present be usefully employed in doing the preliminary work, for which they are not qualified, while the District Engineer and Range Officers have yet to learn, it would seem, by personally conducting the investigations, how individual tanks should be treated in connection with their circumstances and leading features.

(True Extract.)

Major, R.E.,

Offg. Joint Secretary to Government.

To the District Engineer, Madura.

„ Chief Engineer for Irrigation.

„ Consulting Engineer for Railways.

Irrigation.

No. 820.

Memorandum.

Encls. 3.

The District Engineer Madras has with reference to G.O. No. 3210, dated 13th November 1874, and to the instructions from this office as per margin submitted returns of December last tanks affecting the South India Railway in the Tirumangalam and Sindalur taluqs. The returns include only those tanks within 5 miles of the Railway line, and they are necessarily therefore imperfect, and where such tanks have others above and discharging into them it will not do to deal with them independently of the other tanks in the same group.

2. Some of the entries are such as to need examination. For instance the first in the Tirumangalam taluq return is the Maravancolum (Devasthanam) and its capacity when full is stated to be 170,520 cubic yards or sufficient for from

21 to 30 acres the area of the Catchment basin being 16 square miles which would generally suffice to provide water for about 400 acres. Again the capacity of many of the tanks appears to be extremely small not only with reference to the catchment basins but to the area of the tanks themselves.

3. So far of value the circumstances of the tanks must be accurately ascertained and a casual inspection of the entries indicates that this has not yet been done; e.g. take the entry in the Sindigul taluq return for the Suma Soobhanaitew Column. District 4 - 3 miles 75 chains. Catchment basin $\frac{1}{16}$ square mile. Maximum flood discharge 1800 c. ft. a second. This discharge is that due to basin of 6 or 7 square miles. Moreover it is mentioned that the tank is the lowest of a chain of 4 tanks so that the catchment basin of the four is only $\frac{1}{16}$ of a square mile, but on the other

hand the area of this lowest tank itself is entered as 58,000 square yards or 12 acres nearly, so that in all probability the tanks themselves are of greater area than the catchment basin.

2. In connection with the District Engineer's remarks on the dimensions of surplus weirs for petty tanks instructions have been given in para 2 of this Office Memo: No. 732 of the 8th Instant, and Survey Establishments have been sanctioned though the information afforded by the District Engineer in support of his application has not been in accordance with the orders contained in Circular No. 62.

22nd July 1875
Dobacarn
offg. Chief Engineer
S. H. B.

The offg. Secy. S. Cook
S. H. B.

P. W. 1875 Deph
No. 4939

Time

The Off. Chief
Engineer

Del 22 July
Rel 29 July 1875.

E. 3. No. 820.

Memorandum in the Return
of boats affecting
the S. S. Reg. in the
Kinnungalam & Sind.
Sub. Taluqs. Madras Dist.
for the 1st half of 1875.

G.O. No. 2177. 27-7-75.

No. 2177 S.H.B.

Proceedings of the Madras Coast
Under date the 27th July 1875.
Read the following.

From
The offg. Chief Engr. (H. E. No. 820) 22nd July 1875.

The returns submitted
by the District Engineer
Madras appear to be
very imperfect not only
as regards the number
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entries. It will be
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leading features.

by 23/7

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3

DE Madras 6
Phys. Sec. 5 with 3 Incls:
Eng. Sec. 1

sc. orpd-13-8-75

29/10/1875 ✓
Govt of 11875: Madras
PUBLIC WORKS.

To
The Dy. Engr.
Madras

Dated

Issued

Recd.

Encl.

G. O., 27/10/1875, No. 2171

Nos. 756-757

Return of lands affecting
the lines of Ry. in the Terri.
mangalams & sundry taluqs
Madras D. for the half year
ending 30 June 1875. The
return is by the Dy. Engr.
Passing orders with sub-
mitted by the Dy. Engr.